

Figure 1

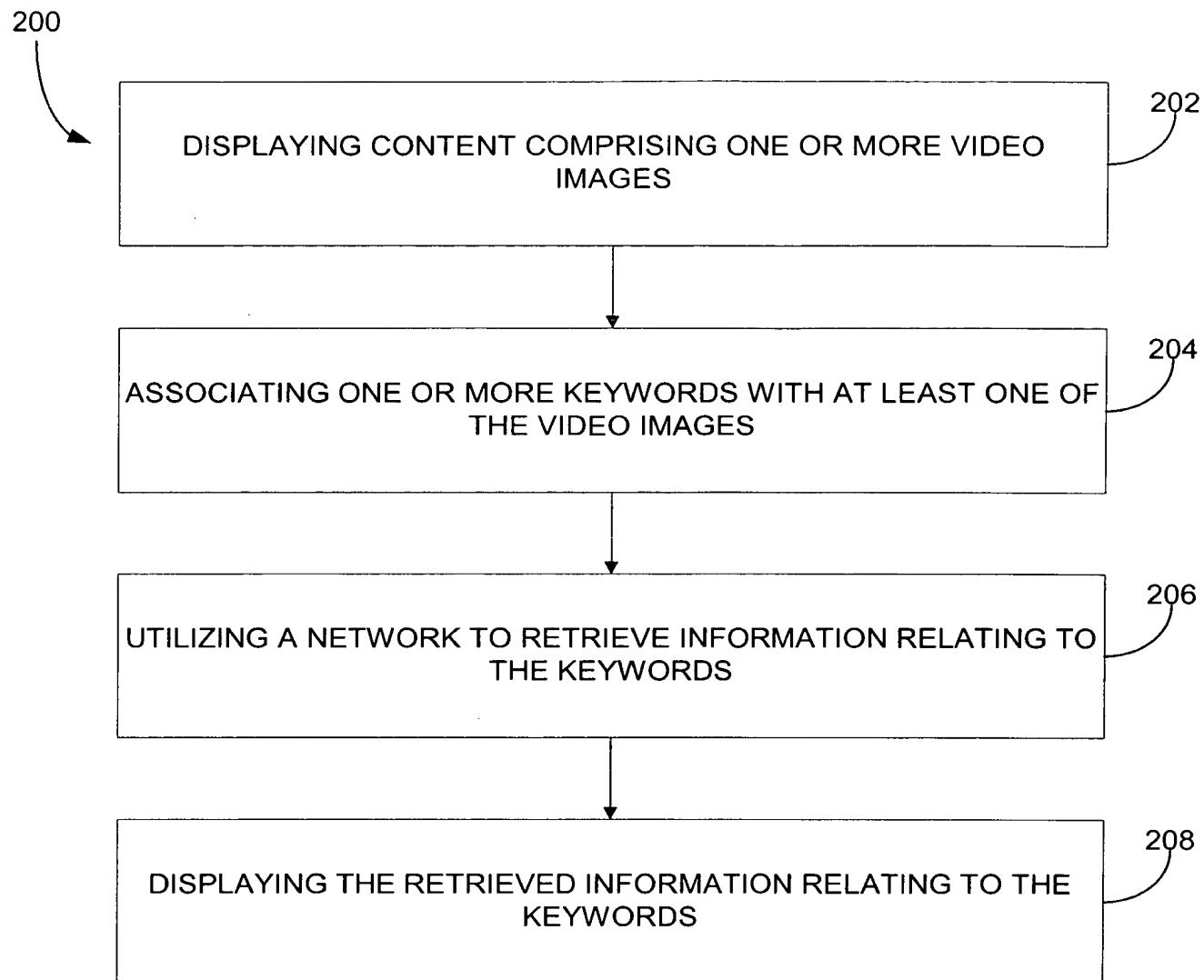


Figure 2

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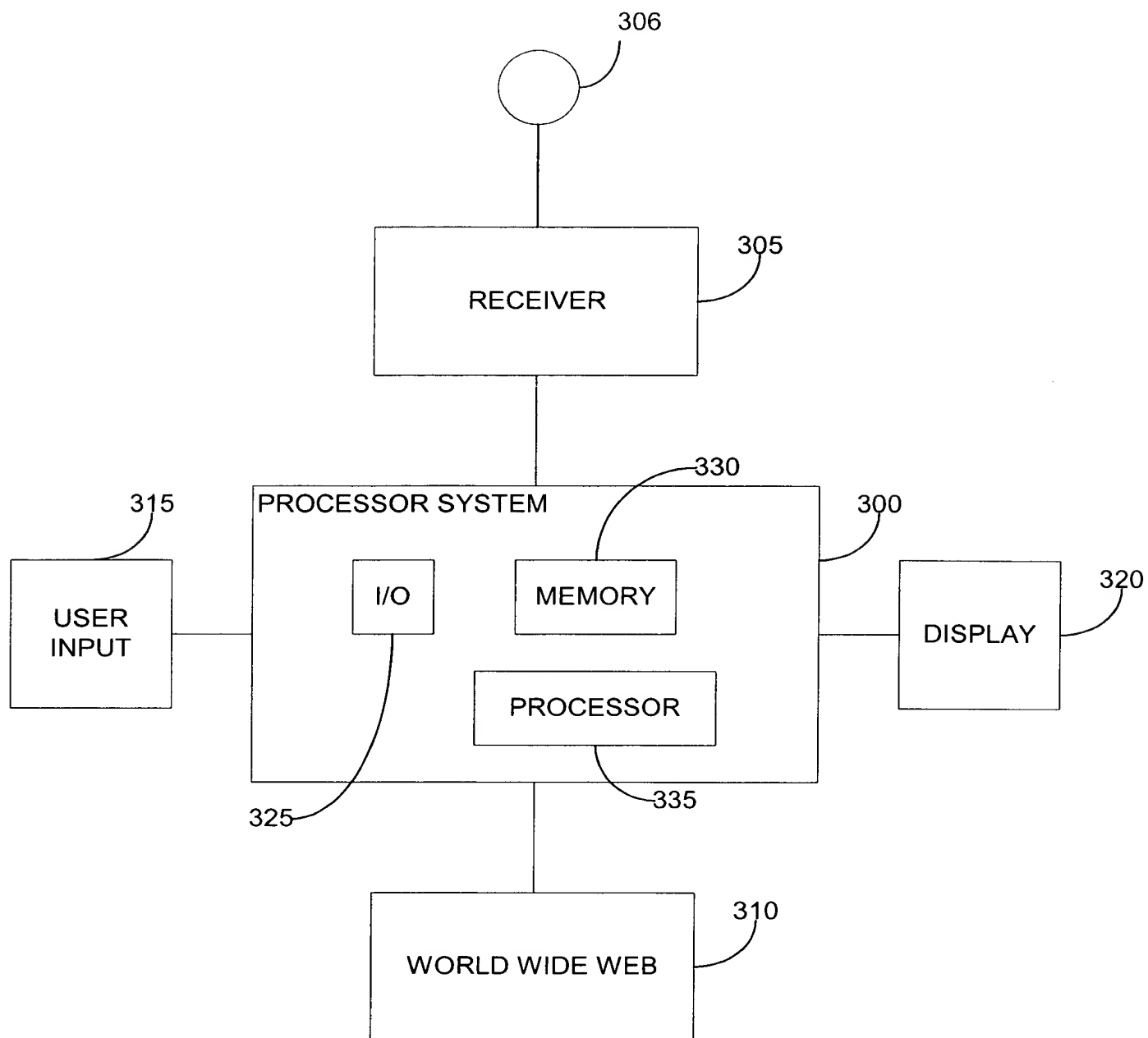


Figure 3

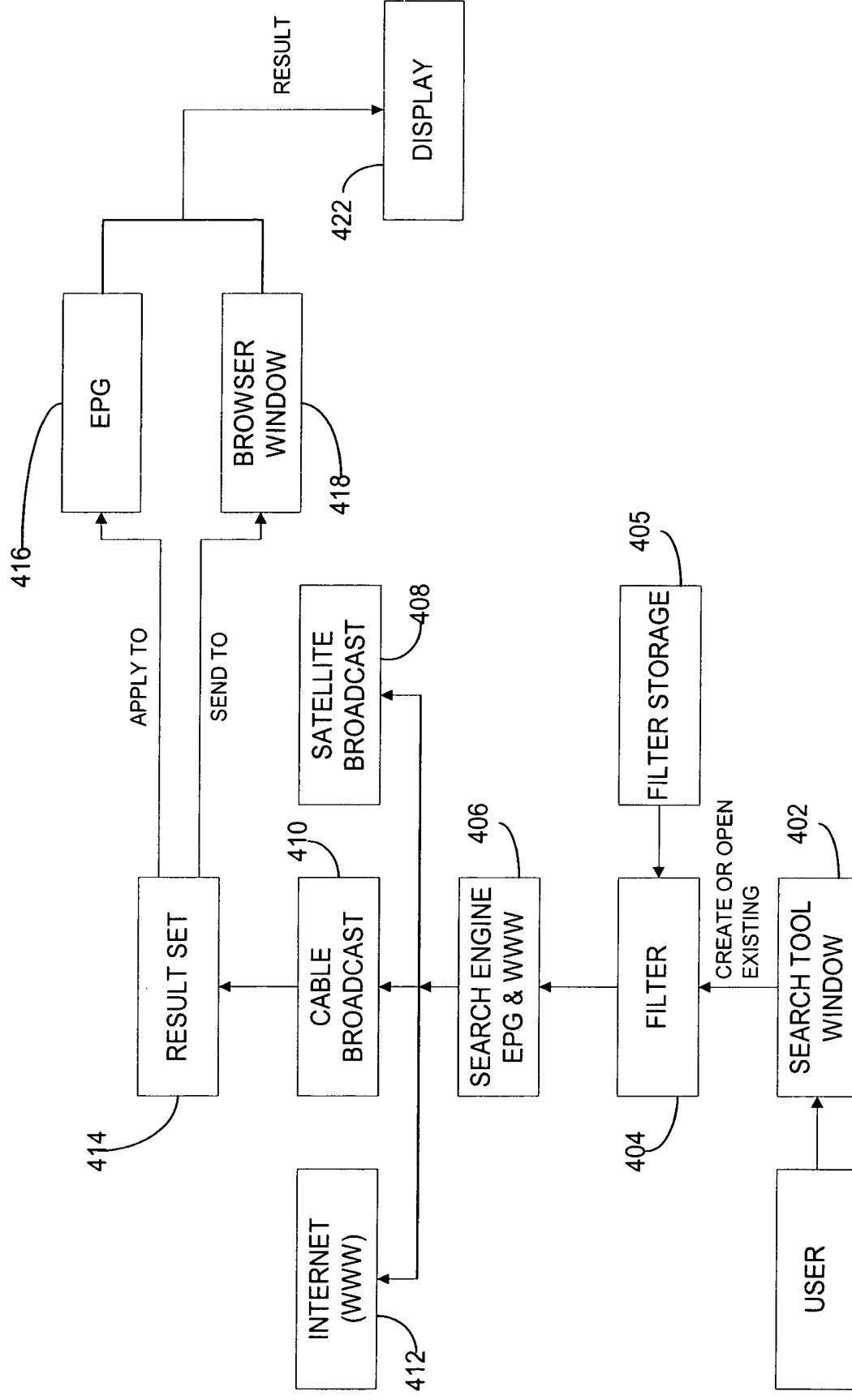


Figure 4

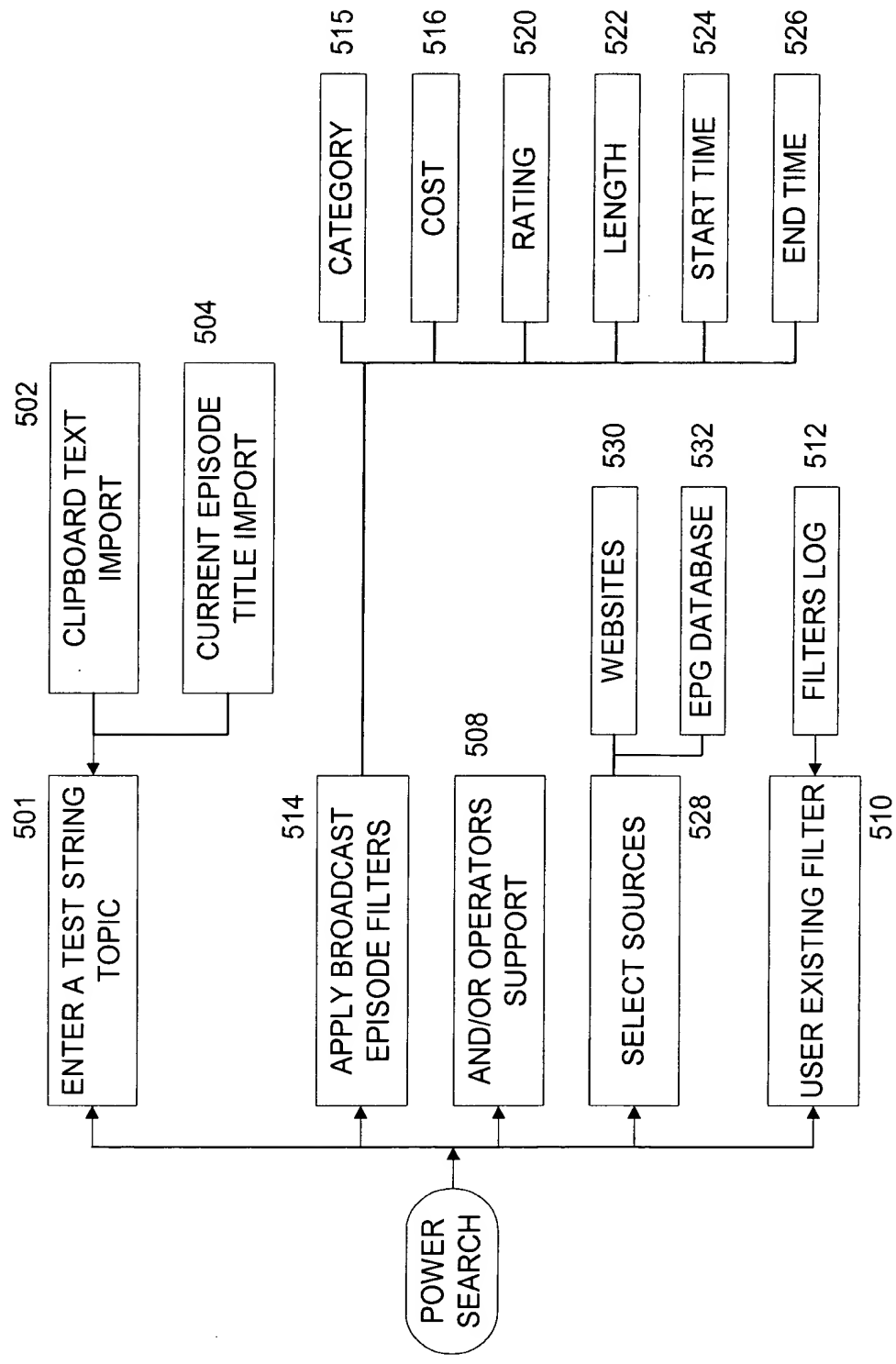


Figure 5

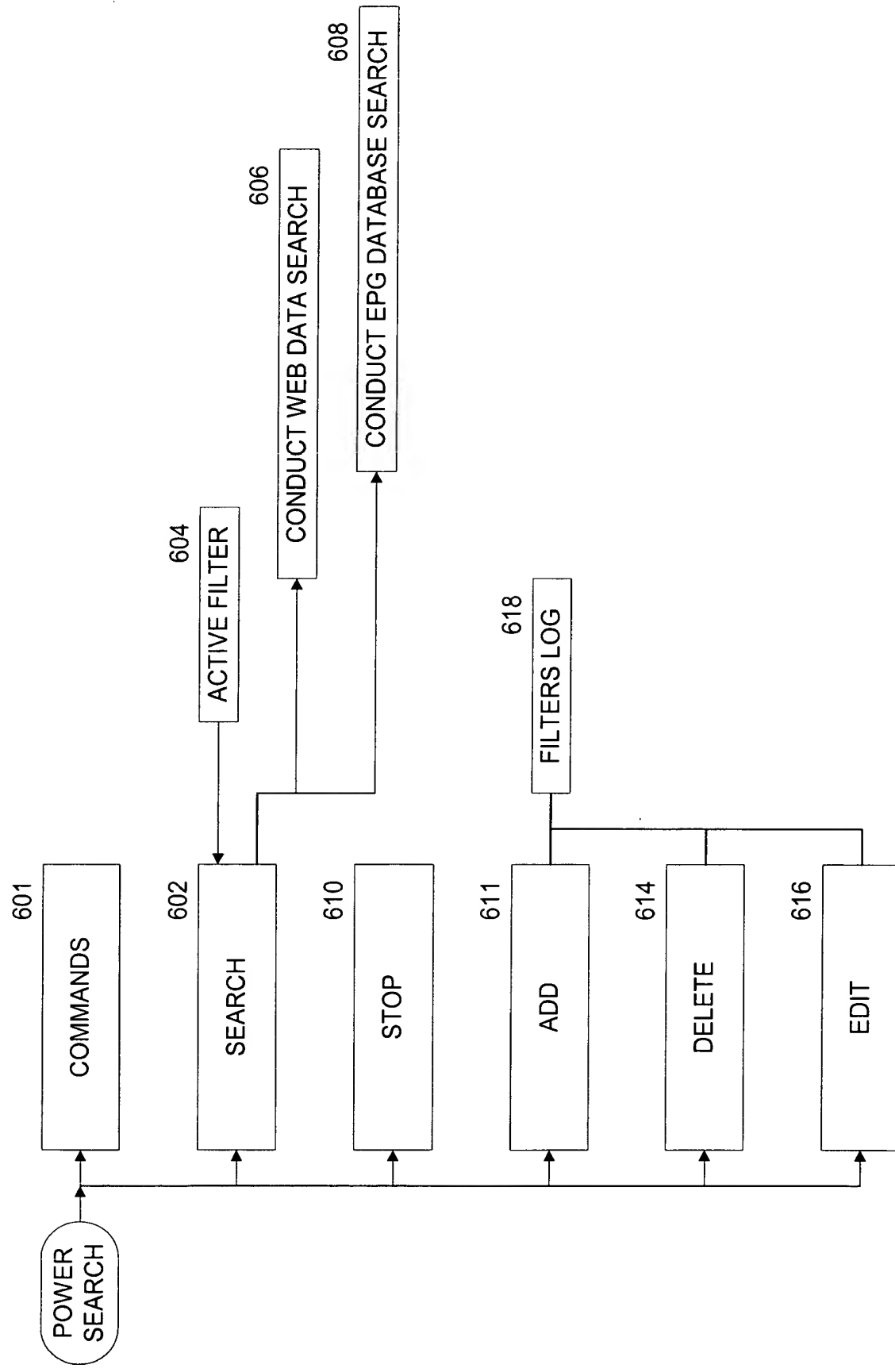


Figure 6

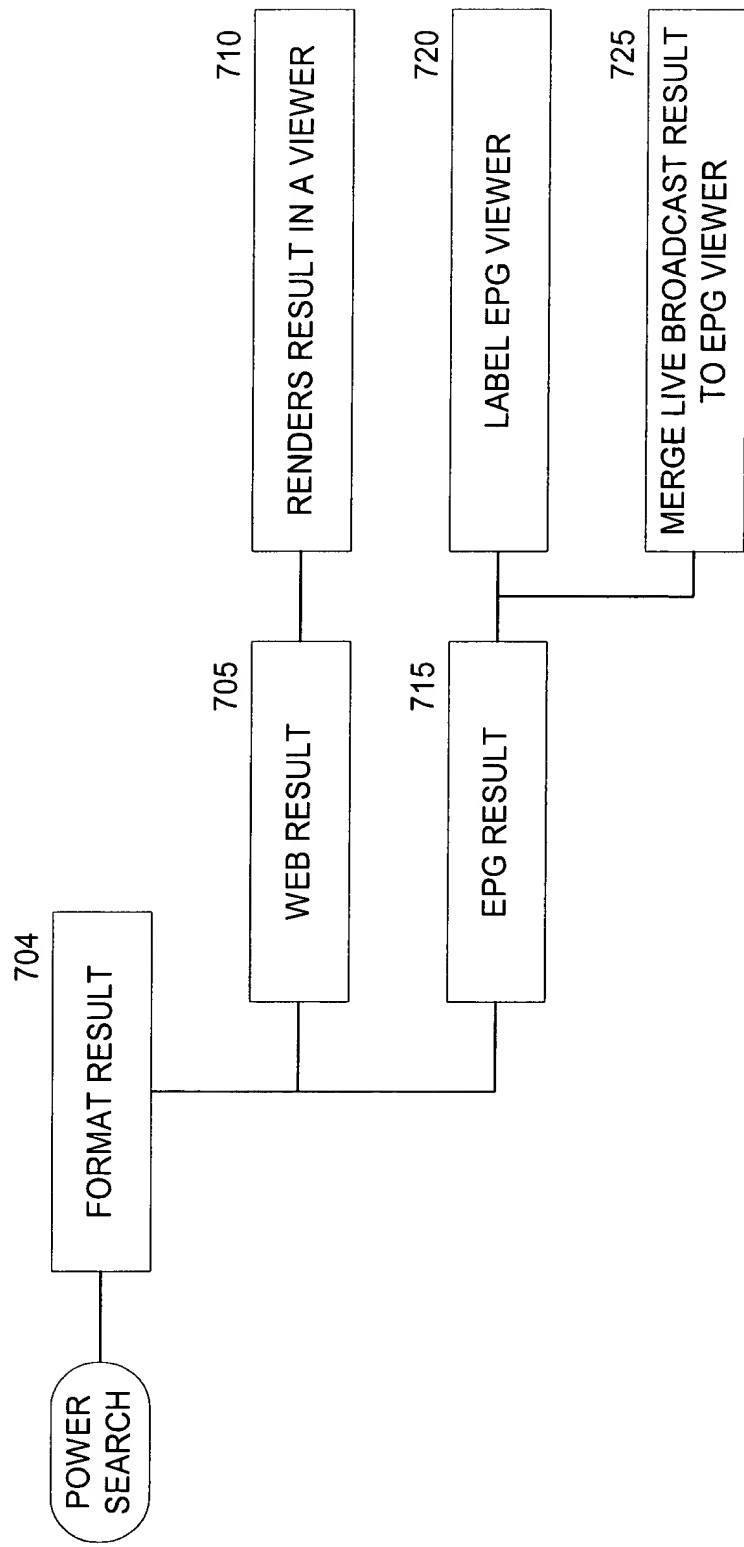


Figure 7

(I) RANKING	(II) TITLE	(III) WORDS FOUND	(a)
*****	RING N' ROUTE - LINE SHARING DEVICES	MODEM	(b)
*****	APPLE DIRECTIONS EXPRESS ARCHIVE	EXPRESS	(c)
*****	APPLE DIRECTIONS - GEOPORT	MODEM, EXPRESS	
****	APPLE DIRECTIONS EXPRESS	EXPRESS	
***	APPLE DEVELOPER SERVICES FTP INDEX: ENTRY E-1	MODEM, EXPRESS	
**	APPLE DIRECTIONS - APPLE DIRECTIONS EXPRESS	EXPRESS	
*	< NO TITLE >	MODEM	
*	APPLE DIRECTIONS - MACINTOSH USE PROFILE S	MODEM	
*	ABOUT TECHNICAL DOCUMENTATION	MODEM, EXPRESS	
*	DEVELOPER UNIVERSITY REGISTRATION FORM	EXPRESS	

Figure 8

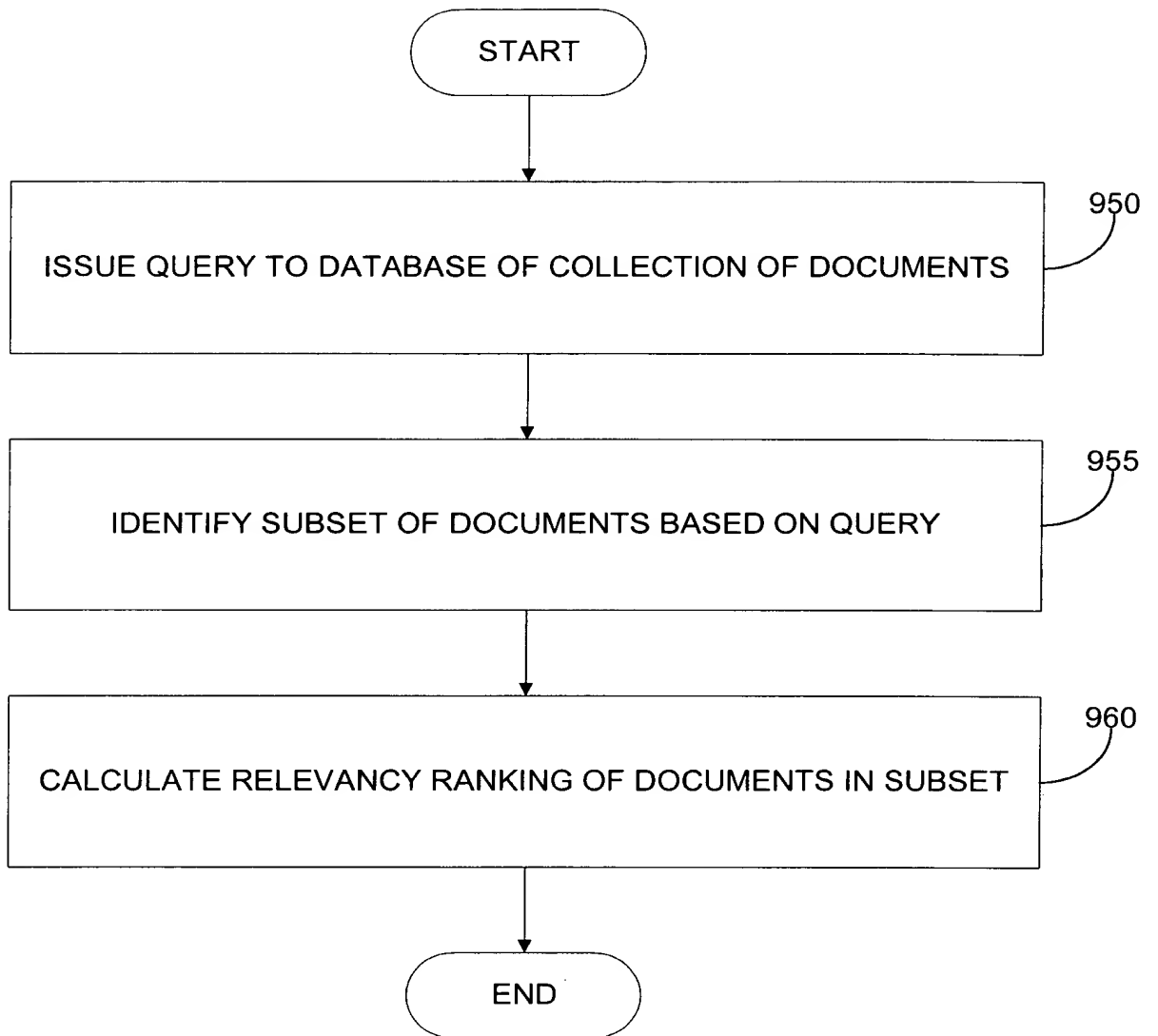


Figure 9

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graph TD; A[ISSUE QUERY TO DATABASE OF COLLECTION OF DOCUMENTS] --> B[IDENTIFY A SUBSET OF DOCUMENTS BASED ON QUERY]; B --> C[CALCULATE RELEVANCY RANKING SCORE A DOCUMENTS IN SUBSET, ASSIGN TO S]; C --> D[CALCULATE OVERLAP, THE NUMBER OF TERMS IN QUERY THAT APPEAR IN DOCUMENT AND ASSIGN TO V]; D --> E[CALCULATE NUMBER OF WORDS IN QUERY, ASSIGN TO Q]; E --> F[OBTAIN D]; F --> G["CALCULATE ADJUSTED RELEVANCY RANKING SCORE S1 WHERE  
S1 = S + [(V-1)/[(Q-D)(Q-D)]] * [(Q-1)/Q]"]; style A stroke:#f00,stroke-width:2px; style B stroke:#f00,stroke-width:2px; style C stroke:#f00,stroke-width:2px; style D stroke:#f00,stroke-width:2px; style E stroke:#f00,stroke-width:2px; style F stroke:#f00,stroke-width:2px; style G stroke:#f00,stroke-width:2px;
```

The flowchart illustrates the method for calculating adjusted relevancy ranking score S1. It consists of seven steps connected by downward arrows:

- 1050 ISSUE QUERY TO DATABASE OF COLLECTION OF DOCUMENTS
- 1055 IDENTIFY A SUBSET OF DOCUMENTS BASED ON QUERY
- 1060 CALCULATE RELEVANCY RANKING SCORE A DOCUMENTS IN SUBSET, ASSIGN TO S
- 1065 CALCULATE OVERLAP, THE NUMBER OF TERMS IN QUERY THAT APPEAR IN DOCUMENT AND ASSIGN TO V
- 1070 CALCULATE NUMBER OF WORDS IN QUERY, ASSIGN TO Q
- 1075 OBTAIN D
- 1075 CALCULATE ADJUSTED RELEVANCY RANKING SCORE S1 WHERE
$$S1 = S + \frac{(V-1)}{[(Q-D)(Q-D)]} \cdot \frac{(Q-1)}{Q}$$

Figure 10

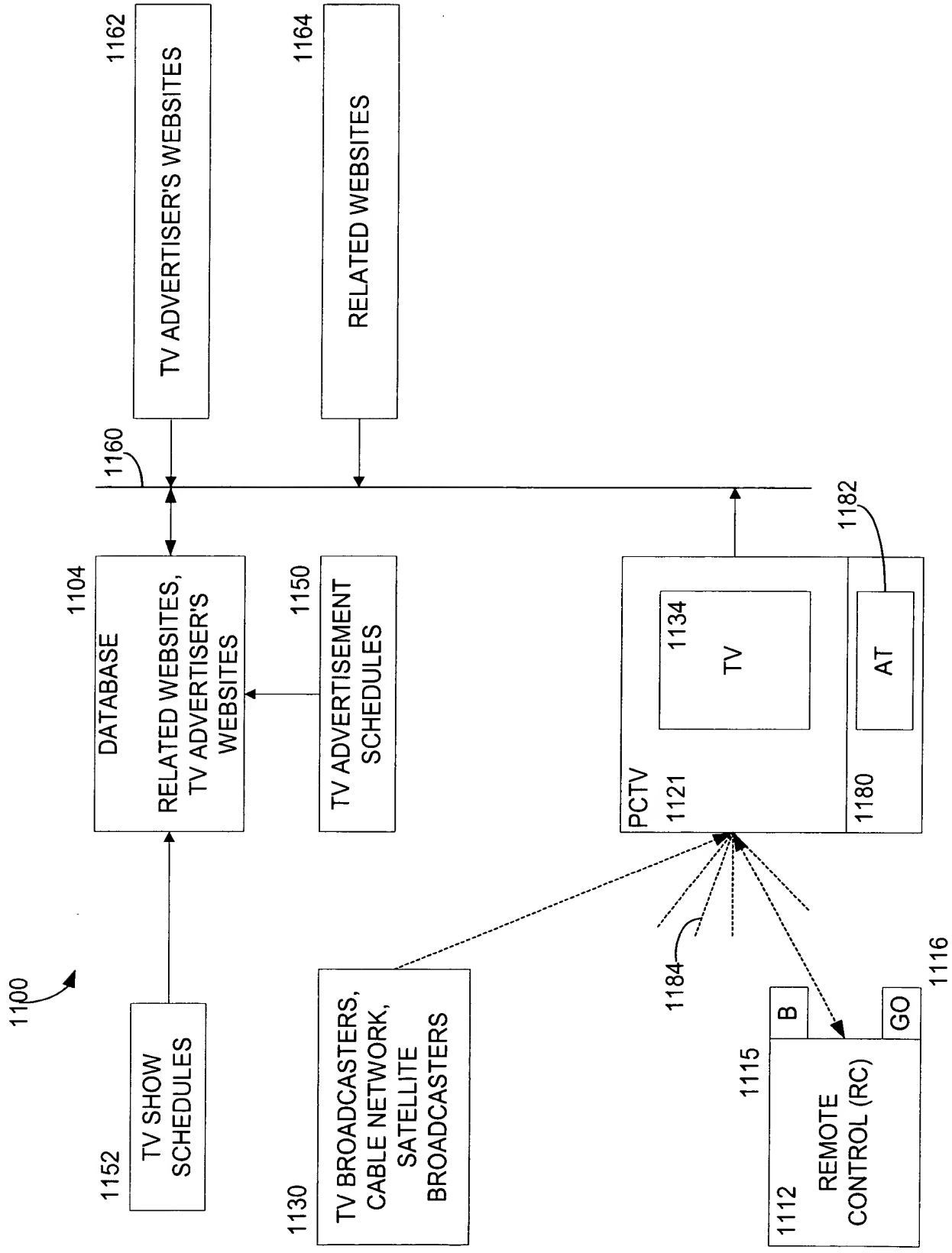


Figure 11

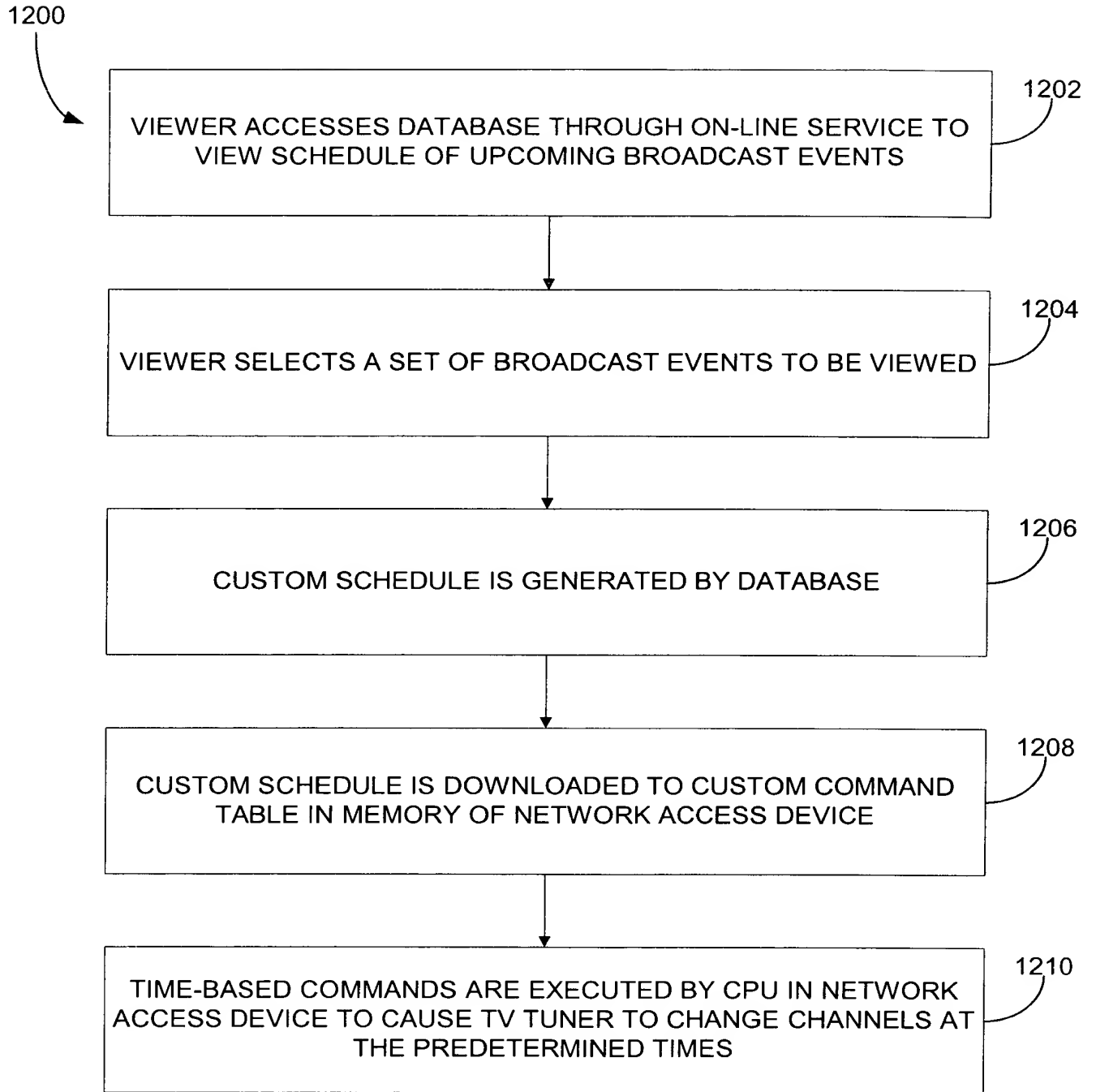


Figure 12

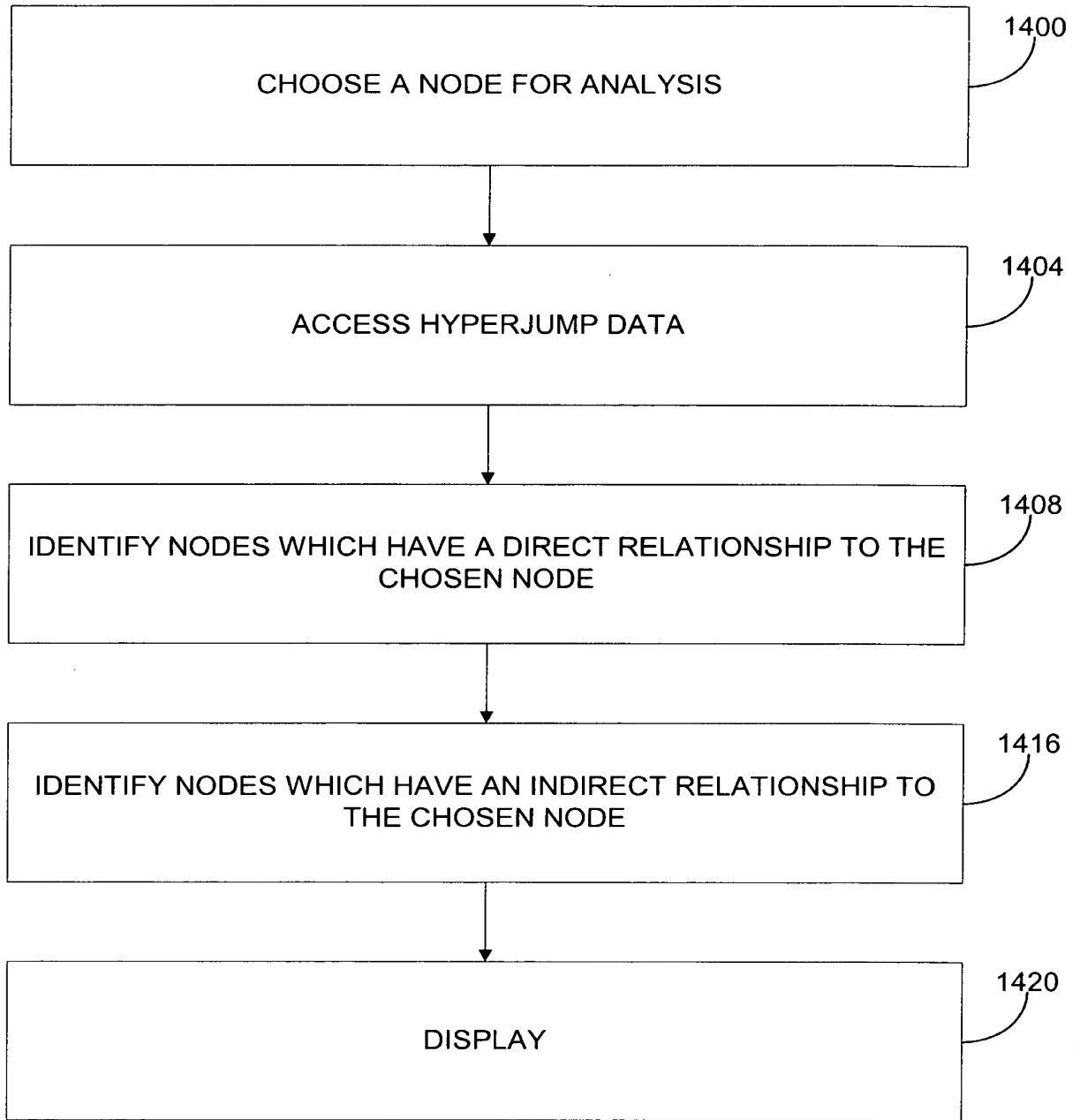


Figure 14

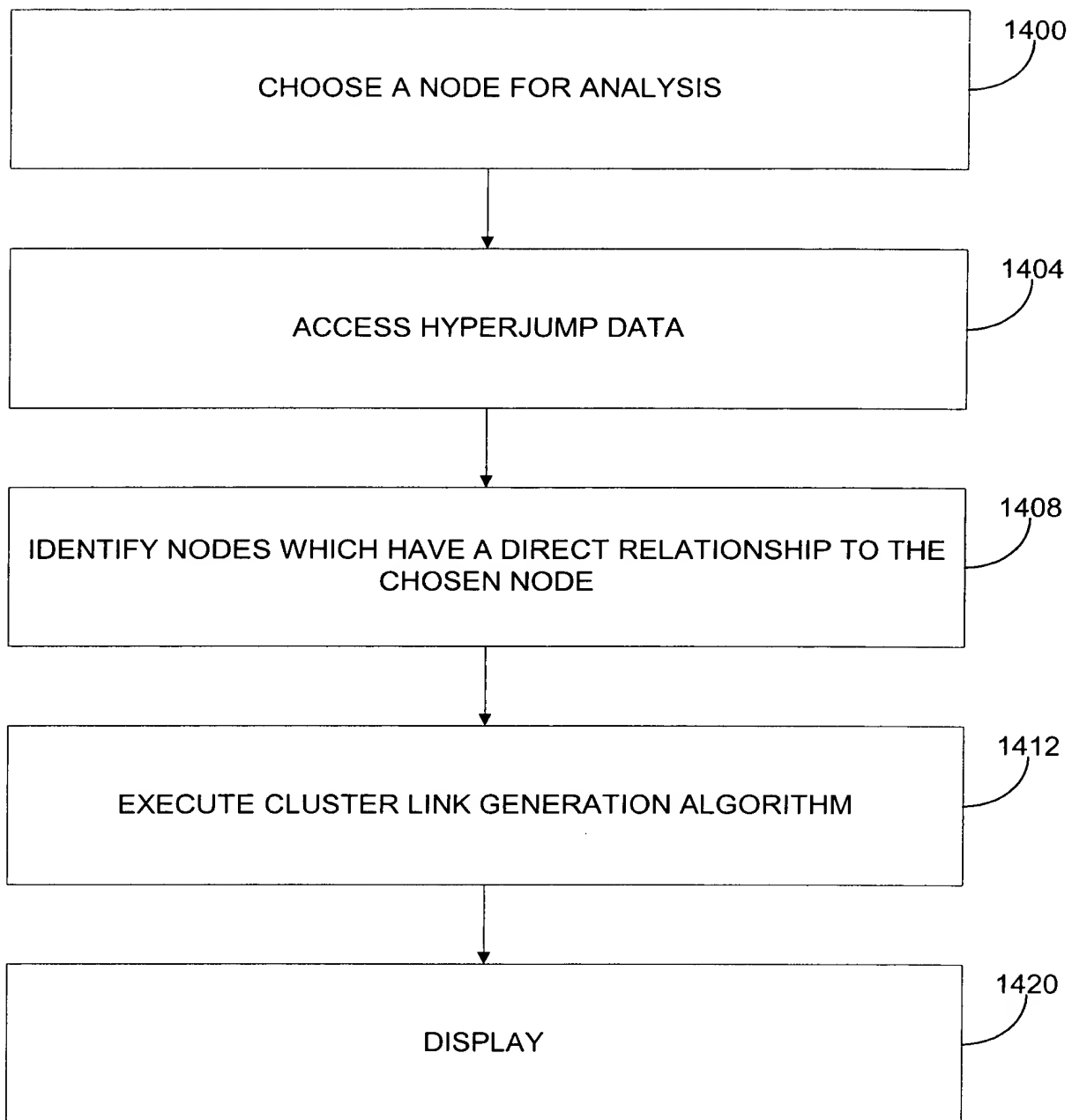


Figure 15